

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**EXPRESS MAIL NO. EV 326702888US**

Applicant : Woo-Nyon Kim et al.

Application No. : 10/590,636

Filed : August 23, 2006

Title : CLAY-POLYURETHANE NANOCOMPOSITE AND METHOD FOR  
PREPARING THE SAME

Grp./Div. : To be determined

Examiner : To be determined

Docket No. : 58266/J257

**INFORMATION DISCLOSURE STATEMENT**

**37 CFR § 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Post Office Box 7068  
Pasadena, CA 91109-7068  
October 13, 2006

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant that were indicated to be "ON ORDER" in the August 23, 2006 IDS. Copies of each of the listed references are enclosed. This filing is timely because it is made during one of the periods described in 37 CFR § 1.97(b).


It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Application No. 10/590,636

The Commissioner is hereby authorized to charge any fees which may be required by this paper to Deposit Account No. 03-1728. Please show our docket number with any Deposit Account transaction.

Respectfully submitted,

CHRISTIE, PARKER & HALE, LLP

By 

D. Bruce Prout

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626/795-9900

DBP/dg

Enclosures: Form PTO/SB/08A/B, w/references

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<b>FORM PTO/SB/08A/B (10-01)</b> Substitute for PTO-1449A/B  <b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)	<b>Attorney Docket Number</b>	<b>58266/J257</b>
	<b>Application Number</b>	<b>10/590,636</b>
	<b>Filing Date</b>	<b>August 23, 2006</b>
	<b>Applicant(s)</b>	<b>Woo-Nyon Kim</b>
	<b>Group Art Unit</b>	<b>tbd</b>
	<b>Examiner Name</b>	<b>tbd</b>

U.S. PATENT DOCUMENTS				
EXAMINER INITIALS	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (If Known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE

FOREIGN PATENT DOCUMENTS					
EXAMINER INITIALS	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If Known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T <sup>6</sup> (✓)
		KR 10-2002-95380	12-26-2002	Kwon	Korean Patent Abstracts

OTHER DOCUMENTS		
EXAMINER INITIALS	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
		Korean Patent Abstracts, Publication No. 1020020095380 A, dated December 26, 2002, in the name of O Yun Kwon
		Hu, et al., "Synthesis of polyurethane/clay intercalated nanocomposites", Colloid Polymer Science, Springer-Verlag, 2001, vol. 279, pages 819-822
		Kim, et al., "Morphology and properties of waterborne polyurethane/clay nanocomposites", European Polymer Journal, Elsevier Science Ltd., 2003, vol. 39, pages 85-91
		Feng, et al., "Polymerization compounding: Epoxy-montmorillonite nanocomposite", Polymer Engineering And Science, John Wiley & Sons Inc., 30 September 2002, vol. 42, pages 1827-1 835
		Chen, et al., "Synthesis and characterization of novel segmented polyurethane/clay nanocomposite", Polymer, Elsevier Science Ltd., 2000, vol. 41, pages 1345-1353

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EXAMINER SIGNATURE	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English Language Translation is attached.	

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